

## **Chem 129A: Safety Data Sheet and NFPA Symbols Assignment**

Read the Safety Data Sheet Handout. Take notes in your lab book, summarizing the key points in the handout. Then answer the following questions:

- a) What is a Safety Data Sheet (SDS)?
  
  
  
  
  
  
  
  
  
  
- b) What do the pictograms in the figure on page 6 mean (research this and match the pictogram with the correct descriptor in the figure)?
  
  
  
  
  
  
  
  
  
  
- c) What is the definition of a flash point? What is the auto-ignition temperature?
  
  
  
  
  
  
  
  
  
  
- d) How could a reading of the SDS for methanol have prevented the accident(s) described in the handout?

- e) Look up the SDS of diethyl ether. What do you think is the primary and most common hazard to be aware of when working with ether? Cite supporting evidence from the SDS.
- f) Look up the Wikipedia entry for NFPA symbols (NFPA 704). What does each colored box represent? What do the numbers mean?
- g) Look up the NFPA symbol for methanol and ether. Interpret the diagrams.